

Form 1764w  
May, 1921

# LIST OF PARTS



MACHINE No. 23-19

---

THE SINGER MANUFACTURING COMPANY

COPYRIGHT, U. S. A., 1921, BY THE SINGER MANUFACTURING CO.  
ALL RIGHTS RESERVED FOR ALL COUNTRIES

## INDEX

---

	PAGE
ACCESSORIES .....	21
CLAMPS .....	22
KNIVES .....	24
MACHINE NO. 23-19 .....	7
MISCELLANEOUS PARTS .....	24
NUMERICAL LIST OF PARTS .....	27
OBSOLETE PARTS .....	25

## INSTRUCTIONS FOR ORDERING

In ordering from this list, use **ONLY** the part NUMBER in the **FIRST** column.

The number stamped on a Sewing Machine part is in every case the number of the single part only.

Every combination of parts sent out as such has its specific number, which, although not stamped on the parts, must be used when ordering the combination.

Each number always indicates the **SAME PART** in whatever list it appears, or for whatever machine.

The letters after some of the numbers indicate the style of finish only, as follows:

- A. Hardened, Polished and Plated.
- B. Polished and Plated
- C. Hardened only.
- D. Polished only.
- E. Soft, not Polished.
- F. Hardened and Polished.
- G.
- H. Blued.
- J. Plated only.
- K. Hardened and Plated
- L. Brass or Gilt.
- M. Oxidized.
- P. Japanned.
- R. Parkerized

These letters **MUST BE USED** when they appear in the list, and **AFTER** the number as in the list.

In this series

1 to 1500 and 50001 to 51500 are Screw Numbers.

1501 to 1800 are Nut Numbers.

1801 to 2000 are Roller Numbers.

2001 to 50000 and 52001 and upward are numbers of Machine Parts.

The figures in the second column refer only to the plates, illustrating the parts, and are **NOT TO BE USED** in ordering.

Parts marked with an asterisk (\*) are furnished only when repairs are made at factory.

## LIST OF PARTS COMPLETE

FOR

## MACHINE No. 23-19

HAS CUTTING ATTACHMENT, STRAIGHT BARRING

ATTACHMENT AND HAND TRIPPING LEVER

For Cloth

Makes buttonholes  $\frac{1}{2}$  to  $1\frac{1}{2}$  inches long.

No.	Plate	Name
*10890	—	Arm with 771b and 10008 .....
8582	1792	" Dowel Pin (2) .....
118E	1783	" Screw (3) .....
10002	1790	" Shaft (horizontal) .....
18820	1784	" " " Gear with 453c..
2117	1792	" " " " Pin .....
453C	1783	" " " " Set Screw
144D	1793	" " " Screw .....
10005	1790	" " (upright) .....
18821	1784	" " " Gear with 453c ..
2117	1792	" " " " Pin .....
453C	1783	" " " " Set Screw ..
*10008	—	" Side Plate .....
771D	1783	" " " Thumb Screw .....
10217	1791	Barring Lever .....
10218	1794	" " Cap .....
176D	1783	" " " Screw (2) .....
10219	1794	" " Clutch .....
217F	1793	" " " Adjusting Screw
		(2) .....
10220	1794	Barring Lever Clutch Lever .....
100D	1793	" " " " Hinge
		Screw .....
10222	1794	Barring Lever Clutch Lever Yielding
		Connection with 10251 .....
91F	1793	Barring Lever Clutch Lever Yielding
		Connection Guide Screw .....
106D	1793	Barring Lever Clutch Lever Yielding
		Connection Hinge Screw .....
10223	1793	Barring Lever Clutch Lever Yielding
		Connection Spring .....
10251	1793	Barring Lever Clutch Lever Yielding
		Connection Spring Hook .....



No.	Plate	Name
10181	1783	Clamp Crank Shaft Lever Pin .....
10182	1780	" Guide Pin .....
10183	1780	" " " Lifter .....
103D	1783	" " " " Hinge Screw..
10184	1780	" " " " Spring .....
233D	1783	" " " " " Screw ..
10157	1792	" " " " Stop Pin .....
10185	1780	" " " Post .....
10828	1788	" Plate .....
10187	1783	" Thread Catch .....
240D	1783	" " " Screw .....
10830	1788	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 10828, two each 176D, 223E, 247E, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....
18750	1795	Cutting Block (brass), ½ inch .....
18751	1795	" " " ¾ inch .....
10464	1782	" " " ⅝ inch .....
10465	1782	" " " ¾ inch .....
10466	1782	" " " ⅞ inch .....
10467	1782	" " " 1 inch .....
10471	1782	" " " 1½ inch .....
10472	1782	" " " 1½ inch .....
10473	1782	" " " 1½ inch .....
10474	1782	" " " 1½ inch .....
10452	1790	" " Arm .....
10453	1782	" " " Ratchet Wheel ..
10454	1782	" " " " " Re- taining Spring Latch .....
159F	1783	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw ...
304C	1783	Cutting Block Arm Screw Center (2)
1513E	1783	" " " " " Nut (2) .....
10455	1791	Cutting Block Arm Spring .....
444F	1783	" " Set Screw .....
10229	1790	Driving and Stop Motion Balance Wheel with two 445C .....
445C	1783	Driving and Stop Motion Balance Wheel Set Screw .....
10230	1791	Driving and Stop Motion Connecting Rod .....
10232	—	Driving and Stop Motion Connecting Rod 10230 with 10231 .....
10231	1795	Driving and Stop Motion Connecting Rod Head .....

No.	Plate	Name
38D	1793	Driving and Stop Motion Connecting Rod Head Hinge Screw .....
10233	1795	Driving and Stop Motion Connecting Rod Link .....
57C	1793	Driving and Stop Motion Connecting Rod Link Hinge Screw .....
10235	1790	Driving and Stop Motion Friction Pulley with 10236 .....
10236	1795	Driving and Stop Motion Friction Pulley Center Bearing .....
10238	1790	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	1790	Driving and Stop Motion Lever with 10556 .....
124F	1793	Driving and Stop Motion Lever Ad- justing Screw (2) .....
1518E	1783	Driving and Stop Motion Lever Ad- justing Screw Nut (2) .....
10240	1790	Driving and Stop Motion Lever Bracket .....
355D	1793	Driving and Stop Motion Lever Bracket Screw (3) .....
9263	1793	Driving and Stop Motion Lever Bracket Screw Washer (2) .....
10241	1795	Driving and Stop Motion Lever Fric- tion Pad (leather) .....
401E	1783	Driving and Stop Motion Lever Fric- tion Pad Screw (4) .....
150D	1793	Driving and Stop Motion Lever Screw
10243	1795	" " " " " " " " " " " Washer .....
10242	1795	Driving and Stop Motion Lever Spring
10556	1780	" " " " " " " " " " " Pin .....
159D	1783	Driving and Stop Motion Lever Spring Screw .....
6312	1793	Driving and Stop Motion Lever Spring Screw Washer .....
10245	1795	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
196F	1793	Driving and Stop Motion Ratchet Lever Adjusting Screw .....
63D	1793	Driving and Stop Motion Ratchet Lever Hinge Screw .....
10247	1795	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
100D	1793	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw .....

No.	Plate	Name
10248	1783	Driving and Stop Motion Ratchet Lever Pawl Pin .....
10249	1795	Driving and Stop Motion Ratchet Lever Pawl Spring .....
236f	1783	Driving and Stop Motion Ratchet Lever Pawl Spring Screw .....
1823	1793	Driving and Stop Motion Ratchet Lever Roller and Stud .....
5569	1789	Driving and Stop Motion Ratchet Lever Spring .....
10251	1793	Driving and Stop Motion Ratchet Lever Spring Hook .....
10582	1791	Driving and Stop Motion Starting Lever .....
52c	1783	Driving and Stop Motion Starting Lever Hinge Screw .....
18817	1795	Driving and Stop Motion Tripping Lever with two 10257 .....
10255	1795	Driving and Stop Motion Tripping Lever Catch .....
106d	1793	Driving and Stop Motion Tripping Lever Catch Hinge Screw .....
10223	1793	Driving and Stop Motion Tripping Lever Catch Spring .....
233d	1783	Driving and Stop Motion Tripping Lever Catch Spring Screw .....
10032	1789	Driving and Stop Motion Tripping Lever Handle .....
18818	1795	Driving and Stop Motion Tripping Lever Handle Bar .....
10556	1780	Driving and Stop Motion Tripping Lever Handle Bar Rivet .....
18819	1795	Driving and Stop Motion Tripping Lever complete, Nos. 10032, 18817, 18818 and four 10556 .....
77d	1783	Driving and Stop Motion Tripping Lever Hinge Screw .....
10256	1795	Driving and Stop Motion Tripping Lever Spring .....
10257	1793	Driving and Stop Motion Tripping Lever Spring Pin .....
18576	1789	Eye Stop, for 10632 .....
10893	1789	" " " 10547 and 10549 .....
1071c	1793	" " Adjusting Screw .....
1518E	1783	" " " Nut .....
10026	1788	Face Plate .....
176d	1783	" " Screw .....
10152	1792	" " Thread Guide .....
10028	1790	Feed Driving Bell Crank Lever with 1805 .....

No.	Plate	Name
2D	1789	Feed Driving Bell Crank Lever Hinge Screw .....
1805	1792	Feed Driving Bell Crank Lever Roller and Stud .....
10261	1794	Feed Hand Ratchet Lever .....
10262	1794	" " " " Handle ...
52c	1783	" " " " Hinge Screw .....
18790	1784	Feed Hand Ratchet Pawl with 18791
10034	1792	" " " " Hinge Stud
5569	1789	" " " " Spring ...
18791	1793	" " " " Hook, for 18790 .....
10061	1780	Feed Hand Ratchet Pawl Spring Pin, for Bed .....
10263	—	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18790 ....
10370	1790	Feed and Looper Cam with two 445c
445c	1783	" " " " Set Screw ...
10041	1789	" Regulator (long) .....
10558	1789	" " (reverse) .....
10559	1789	" " (short) .....
176d	1783	" " Screw (2) .....
10947	1795	" Releasing Lever with 10948 and two 18587 .....
176d	1783	Feed Releasing Lever Adjusting Screw (2) .....
10948	1795	Feed Releasing Lever Packing .....
18587	1793	" " " " Rivet
10950	1795	" Shipper Lever with 1814 and 1900 .....
71d	1783	Feed Shipper Lever Hinge Screw ..
1900	1793	" " " Releasing Roller and Stud .....
1814	1792	Feed Shipper Lever Roller and Stud
10479	—	" Wheel with 10081, 10504, 10505, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10481	—	Feed Wheel with 10082, 10506, 10507, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10483	—	Feed Wheel with 10083, 10508, 10509, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10485	—	Feed Wheel with 756E, 10084, 10510, 10511 and three 401E, for $\frac{1}{4}$ in. buttonhole .....
10487	—	Feed Wheel with 756E, 10085, 10512, 10513 and three 401E, for $\frac{1}{4}$ in. buttonhole .....

No.	Plate	Name
10489	—	Feed Wheel with 10086, 10514, 10515 and four 401E, for $\frac{3}{8}$ in. buttonhole
10491	—	Feed Wheel with 756E, 10087, 10516, 10517 and three 401E, for 1 in. buttonhole
18506	—	Feed Wheel with 10520, 18507, 18508, two each 401E and 756E, for $1\frac{1}{8}$ in. buttonhole
10495	—	Feed Wheel with 401E, 10518, 10519, 10521 and three 756E, for $1\frac{1}{8}$ in. buttonhole
10957	1790	Feed Wheel with 401E, 10962, 10963, 10967 and three 756E, for $1\frac{1}{8}$ in. buttonhole
18569	—	Feed Wheel with 10523, 18570, 18571, two each 401E and 756E, for $1\frac{1}{8}$ in. buttonhole
10958	—	Feed Wheel with 10524, 10964, 10965 and four 401E, for $1\frac{1}{8}$ in. buttonhole
10059	—	Feed Wheel Brake Dog with 10060..
5569	1789	" " " " Spring
10035	1792	" " " " Hook
10060	1792	" " " " Stud
10504	1794	" " Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10479
10505	1794	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10479
10506	—	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (inside), for 10481
10507	—	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (outside), for 10481
10508	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (inside), for 10483
10509	—	Feed Wheel Cam Groove Protector, $\frac{5}{8}$ in. (outside), for 10483
10510	—	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (inside), for 10485
10511	—	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (outside), for 10485
10512	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (inside), for 10487
10513	—	Feed Wheel Cam Groove Protector, $\frac{3}{4}$ in. (outside), for 10487
10514	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10489
10515	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10489
10516	—	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10491

No.	Plate	Name
10517	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10491
18507	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 18506
18508	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 18506
10518	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 10495
10519	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 10495
10962	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 10957
10963	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 10957
18570	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 18569
18571	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 18569
10964	—	Feed Wheel Cam Groove Protector, $1\frac{1}{2}$ in. (inside), for 10958
10965	—	Feed Wheel Cam Groove Protector, $1\frac{1}{2}$ in. (outside), for 10958
401E	1783	Feed Wheel Cam Groove Protector Screw (long)
756E	1783	Feed Wheel Cam Groove Protector Screw (short)
18563	1788	Feed Wheel Driving Lever with 129E
129E	1793	" " " " Adjusting Screw
10063	1789	Feed Wheel Driving Lever Block
357F	1783	" " " " Adjusting Screw
1520E	1792	Feed Wheel Driving Lever Block Adjusting Screw Nut
8734	1789	Feed Wheel Driving Lever Spring
10061	1780	" " " " Pin
429C	1783	" " " " Supporting Screw
1513E	1783	Feed Wheel Driving Lever Supporting Screw Nut
10029	1789	Feed Wheel Friction Block
10030	1789	" " " " Spring
430C	1783	" " " " Adjusting Screw
1520E	1792	Feed Wheel Friction Block Spring Adjusting Screw Nut
10081	—	Feed Wheel Latch, $\frac{1}{2}$ in., for 10479
10082	1789	" " " $\frac{1}{8}$ in., for 10481
10083	—	" " " $\frac{5}{8}$ in., for 10483
10084	—	" " " $\frac{1}{4}$ in., for 10485

No.	Plate	Name
10085	—	Feed Wheel Latch, $\frac{3}{4}$ in., for 10487 ..
10086	—	" " " $\frac{7}{8}$ in., for 10489 ..
10087	—	" " " 1 in., for 10491 ..
10520	—	" " " $1\frac{1}{8}$ in., for 18506 ..
10521	—	" " " $1\frac{1}{8}$ in., for 10495 ..
10967	—	" " " $1\frac{1}{8}$ in., for 10957 ..
10523	—	" " " $1\frac{3}{8}$ in., for 18569 ..
10524	—	" " " $1\frac{1}{2}$ in., for 10958 ..
10526	—	Knife, $\frac{1}{2}$ in. (large size eye) .....
10527	1782	" $\frac{3}{8}$ in. (large size eye) .....
10528	1782	" $\frac{5}{8}$ in. (large size eye) .....
10529	—	" $1\frac{1}{8}$ in. (large size eye) .....
10530	1782	" $\frac{3}{4}$ in. (large size eye) .....
10531	—	" $\frac{7}{8}$ in. (large size eye) .....
10532	1782	" 1 in. (large size eye) .....
10533	—	" $1\frac{1}{8}$ in. (large size eye) .....
10534	1782	" $1\frac{1}{4}$ in. (large size eye) .....
10535	1782	" $1\frac{1}{2}$ in. (large size eye) .....
10632	1784	" Holder with 209F and two 10556, for 10526, 10527, 10536 and 10537
10547	1784	Knife Holder with 209F and two 10556, for 10528 to 10530 and 10538 to 10540 .....
10549	1791	Knife Holder with 209F and two 10556, for 10531, 10532, 10541 and 10542
10551	1791	Knife Holder with 209F and two 10556, for 10533 to 10535 and 10543 to 10545 .....
10552	1782	Knife Holder Adjusting Collar with 453c .....
453c	1783	Knife Holder Adjusting Collar Set Screw .....
10553	1782	Knife Holder Connecting Link .....
72D	1783	" " " " Hinge Screw .....
10554	1792	Knife Holder Connecting Link Pin..
10555	1791	" " Hinge Pin .....
450c	1783	" " " " Set Screw ..
10560	1790	" " Lifting Rock Shaft ....
10561	1791	" " " " " Con- necting Link .....
10562	1792	Knife Holder Lifting Rock Shaft Con- necting Link Pin (2) .....
293c	1789	Knife Holder Lifting Rock Shaft Screw Center (2) .....
1501E	1789	Knife Holder Lifting Rock Shaft Screw Center Nut (2) .....
10556	1780	Knife Position Pin .....
209F	1783	" Set Screw .....

No.	Plate	Name
10371	1793	Looper (long) .....
10372	1793	" (short) .....
10373	1795	" Carrier .....
10122	1791	" " Bracket .....
7958	1792	" " " Dowel Pin .....
130D	1783	" " " Screw .....
10123	1789	" " Crank .....
7958	1792	" " " Pin .....
209F	1783	" " " Set Screw .....
10374	1793	" " Needle Guard .....
233D	1783	" " " " Screw ...
2077	1793	" " Pin .....
10127	1788	" " Pitman .....
378c	1783	" " " Hinge Screw ....
1520E	1792	" " " " " Nut..
10130	1789	" " Shaft .....
10129	1790	" Driving Bell Crank with 1807
2D	1789	" " " " Hinge Screw
1807	1792	" " " " " Roffer and Stud .....
224F	1783	Looper Screw (2) .....
10088	1788	Needle Bar .....
10089	1788	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	1789	Needle Bar Connecting Link with two 390c .....
390c	1783	Needle Bar Connecting Link Adjust- ing Screw .....
29c	1783	Needle Bar Connecting Link Hinge Screw .....
7548	—	Needle Bar Connecting Stud .....
7448	1789	" " " " 7548 with 155c .....
155c	1783	Needle Bar Connecting Stud Set Screw .....
10557	1788	Needle Bar Frame .....
10099	1788	" " " Bell Crank with 1813 .....
1813	1792	Needle Bar Frame Bell Crank Roller and Stud .....
307c	1783	Needle Bar Frame Bell Crank Screw Center (2) .....
1513E	1788	Needle Bar Frame Bell Crank Screw Center Nut (2) .....
10101	1789	Needle Bar Frame Cam with two 445c
445c	1783	" " " " Set Screw ..
10103	1788	" " " Connecting Rod with 390c .....
390c	1783	Needle Bar Frame Connecting Rod Adjusting Screw .....



No.	Plate	Name
10104	1792	Needle Bar Frame Connecting Rod Ball .....
147c	1783	Needle Bar Frame Connecting Rod Ball Screw .....
37E	1783	Needle Bar Frame Regulating Screw Stud .....
1514c	1783	Needle Bar Frame Regulating Screw Stud Nut .....
307c	1783	Needle Bar Frame Screw Center (lower) .....
306c	1783	Needle Bar Frame Screw Center (upper) .....
1513E	1783	Needle Bar Frame Screw Center Nut (2) .....
18876	—	Needle Bar Packing Cord (2) .....
290E	1783	" " Screw Bushing (2) ...
10093	1789	" " Thread Take-up with 10114 .....
10094	1792	Needle Bar Thread Take-up Roller ..
10095	1792	" " " " " Cap ..
233D	1783	" " " " " Screw .....
10114	1792	Needle Bar Thread Take-up Roller Pin .....
209F	1783	Needle Bar Thread Take-up Set Screw
10096	1789	Needle Bar Thread Take-up complete, Nos. 209F, 233D and 10093 to 10095
10105	1792	Needle Clamp .....
10106	1792	" " Disc .....
10107	1792	" " " Spring .....
93H	1783	" " " Screw ....
10108	1792	" " " Gib .....
209F	1783	" " Set Screw .....
10109	1792	" " Thread Guide .....
665D	1793	" " " " Screw ..
10110	1792	Needle Clamp complete, Nos. 93H, 209F, 665D, 10105, 10107, 10109 and two 10106 .....
10378	1793	Spreader (left) with 110c .....
10376	1793	" (right) with 110c .....
10382	1793	" Cam (left) .....
10381	1793	" " (right) .....
10383	1793	" " Adjusting Slide (2) ....
185H	1793	" " " " Screw (2) .....
228D	1793	" " " " Screw (2) .....
110c	1793	" Hinge Screw .....
10223	1793	" Spring (2) .....
229D	1793	" " Screw (2) .....

No.	Plate	Name
2102	1789	Tension (under thread) Disc (2) ...
1560c	1792	" " " Regulating Thumb Nut .....
50021D	—	Tension (under thread) Screw Stud
10145	1792	" " " Thread Guide
10148	1792	" " " Spring .....
10144	1788	" (upper thread) and Spool Bracket .....
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
159D	1793	Tension (upper thread) and Spool Bracket Screw (2) .....
2102	1789	Tension (upper thread) Disc .....
1560c	1792	" " " Regulating Thumb Nut .....
2103	1792	Tension (upper thread) Spring .....
415D	1783	" " " Stud .....
10145	1792	" " " Thread Guide
10150	1789	Thread (under) Cord Guide .....
333D	1783	" " " " Screw ..
10147	1788	" " Spool Bracket .....
159D	1783	" " " " Screw (2)
488D	1780	" " " Spindle, 3½ in. long .....
487D	1780	Thread (under) Spool Spindle, 4 in. long .....
10111	1792	Thread (under) Spool Spindle Inside Cone .....
10112	1792	Thread (under) Spool Spindle Inside Cone Spring .....
8064	—	Thread (under) Spool Spindle Outside Cone .....
8039	1789	Thread (under) Spool Spindle Outside Cone 8064 with 759F (2) ....
759F	1783	Thread (under) Spool Spindle Outside Cone Thumb Screw .....
10149	1789	Thread (under) Take-up Spring ....
10145	1792	" " Thread Guide .....
10137	1789	" (upper) Nipper Arm .....
77D	1783	" " " " Hinge Screw .....
1821	1792	Thread (upper) Nipper Arm Roller and Stud .....
10139	1791	Thread (upper) Nipper Cam with 435c
3012	1792	" " " " Pin ....
435c	1783	" " " " Set Screw
8800	1792	" " " Disc (2) .....

No.	Plate	Name
1645e	1783	Thread (upper) Nipper Disc Regulat- ing Thumb Nut .....
1547D	1783	Thread (upper) Nipper Disc Regulat- ing Thumb Nut Lock Nut .....
1153c	1783	Thread (upper) Nipper Disc Screw Stud .....
1547D	1783	Thread (upper) Nipper Disc Screw Stud Nut .....
10140	1789	Thread (upper) Nipper Lever .....
49e	1783	" " " " Screw
10141	1792	" " " " Spring
10142	1789	" " " Link .....
488D	1780	" " Spool Spindle, 3½ in. long .....
10111	1792	Thread (upper) Spool Spindle Inside Cone .....
10112	1792	Thread (upper) Spool Spindle Inside Cone Spring .....
8064	—	Thread (upper) Spool Spindle Out- side Cone .....
8039	1789	Thread (upper) Spool Spindle Out- side Cone 8064 with 759F .....
759F	1783	Thread (upper) Spool Spindle Out- side Cone Thumb Screw .....
10151	1789	Thread (upper) Take-up Spring .....
236F	1783	" " " " Screw

## ACCESSORIES

No.	Plate	Name
10469	1782	Cutting Block (brass), ¾ inch .....
10470	1782	" " " 1 inch .....
10472	1782	" " " 1½ inch .....
10242	1795	Driving and Stop Motion Lever Spring
5569	1789	Feed Wheel Brake Dog Spring ....
10535	1782	Knife, 1½ in. (large size eye) .....
36569	—	Oiler with 36571 .....
36570	—	" 36569 filled with oil .....
36571	—	" Spout, 1½ in. long, with 36807
36807	—	" " Washer (leather) .....
26026	1784	Screw Driver, Nos. 120088 and 120090
*120088	—	" " Blade .....
*120090	—	" " Handle .....
10223	1793	Spreader Spring (2) .....
10563	1790	Table Bracket Machine Holder (left) with four wood screws 1½ in., No. 14, R.H.B. ....
10216	1790	Table Bracket Machine Holder (right) with 10116 and three wood screws 1½ in., No. 14, R.H.B. ....
10116	1789	Table Bracket Machine Holder Pin..
35143	1784	Tweezers, 4 in. long .....
10875	1788	Wrench, for 1518 and 1520 .....
10876	1788	" " 357 and 1513 .....
10877	1788	" " 10453 .....
23 x 1	—	Needles, slx, size 2 .....

### TABLE BELT GUIDE

10857	1788	Table Belt Guide Bracket with 448C
10858	1788	" " " " Shaft .....
448C	1783	" " " " " Collar Set Screw .....
10859	1788	Table Belt Guide Bracket Shaft Pulley .....
10856	1788	Table Belt Guide Bracket complete, Nos. 10857 to 10859 and three wood screws 1½ in., No. 12, R.H.B. ....

## CLAMPS

Same as 10830 with the following exceptions:

No.	Plate	Name
10827	1794	Clamp Check (left), 1½ in., in place of 10825 .....
10826	1794	Clamp Check (right), 1½ in., in place of 10824 .....
10829	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826 to 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157

### FOR EYELESS BUTTONHOLES

18578	1784	Clamp Plate, in place of 10828 .....
10944	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826, 10827, 18578, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157
10954	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 18578, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157 .....

### FOR MILITARY WORK

10833	1794	Clamp Arm (upper, left) with 10248, in place of 10823 .....
10832	1794	Clamp Arm (upper, right) with 10248, in place of 10822 .....
10834	1794	Clamp Arm (upper) Adjusting Slide, in place of 10164 .....
10248	1783	Clamp Arm (upper) Adjusting Slide Steady Pin, in place of 10165 ...
10836	1793	Clamp Arm (upper) Dowel Pin ....

No.	Plate	Name
10835	1794	Clamp Arm (upper) Hinge, in place of 10172 .....
192D	1793	Clamp Arm (upper) Screw, in place of 176D .....
10843	1794	Clamp Arm Spreader Lever, in place of 10821 .....
10838	1794	Clamp Crank Shaft Bracket (left), in place of 10179 .....
10837	1794	Clamp Crank Shaft Bracket (right), in place of 10178 .....
10839	1794	Clamp Crank Shaft Lever, in place of 10180 .....
10841	1794	Clamp Guide Pin Lifter, in place of 10183 .....
10842	1794	Clamp Guide Pin Lifter Stop, in place of 10157 .....
224D	1783	Clamp Guide Pin Lifter Stop Screw
10845	1794	" " " Post, in place of 10185 .....
10844	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10817 to 10820, 10826 to 10828, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836 .....
10956	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10817 to 10820, 10824, 10825, 10828, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836 .....

## KNIVES

No.	Plate	Name
10536	—	Knife, $\frac{1}{2}$ in. (small size eye) .....
10537	—	" $\frac{3}{8}$ in. (small size eye) .....
10538	—	" $\frac{5}{8}$ in. (small size eye) .....
10539	—	" $1\frac{1}{8}$ in. (small size eye) .....
10540	—	" $\frac{3}{4}$ in. (small size eye) .....
10541	—	" $\frac{7}{8}$ in. (small size eye) .....
10542	—	" 1 in. (small size eye) .....
10543	—	" $1\frac{1}{8}$ in. (small size eye) .....
10544	—	" $1\frac{1}{4}$ in. (small size eye) .....
10545	—	" $1\frac{1}{2}$ in. (small size eye) .....

## MISCELLANEOUS PARTS

18548	1782	Cutting Block (brass), $\frac{1}{2}$ inch .....
10502	1782	" " " $\frac{3}{4}$ inch .....
10215	1794	Feed Wheel Driving Lever Block (Hamburgh style) .....

## OBSOLETE PARTS

No.	Plate	Name
10004	1789	Arm Shaft (horizontal) Gear with 453c .....
10007	1791	Arm Shaft (upright) Gear with 453c
10636	1790	Bed Plate with 10475 and two 621E
18628	1790	" " " two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes
10638	—	Bed Plate complete, Nos. 10024, 10306, 10636, 10637 and three 405E .....
18630	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10306, 10637, 18628 and three 405E .....
18545	1793	Bed Plate Spring Guide .....
10462	1792	" " Stud .....
18557	1794	Clamp Check Presser Spring .....
10463	1782	Cutting Block (brass), $\frac{3}{8}$ inch .....
10314	1795	Driving and Stop Motion Tripping Lever with 10251 and 10257 .....
10092	1794	Driving and Stop Motion Tripping Lever complete, Nos. 10032, 10113, 10314 and two 10556 .....
10113	1795	Driving and Stop Motion Tripping Lever Handle Bar .....
10475	1794	Eye Stop Substitute .....
10033	1789	Feed Hand Ratchet Pawl with 10035
10062	—	" Wheel Driving Lever .....
10564	—	Thread (upper) Cord Guide with three 10574 .....
18546	1789	Thread (upper) Cord Guide with three 10574 .....
10574	1792	Thread (upper) Cord Guide Eyelet..

**NUMERICAL LIST OF PARTS**

**FOR**

**MACHINE No. 23-19**

## NUMERICAL LIST OF PARTS

No.	Plate	Name
2b	1789	Feed Driving Bell Crank Lever Hinge Screw .....
2b	1789	Looper Driving Bell Crank Hinge Screw .....
29c	1783	Needle Bar Connecting Link Hinge Screw .....
37e	1783	Needle Bar Frame Regulating Screw Stud .....
38b	1793	Driving and Stop Motion Connecting Rod Head Hinge Screw .....
49f	1783	Thread (upper) Nipper Lever Screw
52c	1783	Driving and Stop Motion Starting Lever Hinge Screw .....
52c	1783	Feed Hand Ratchet Lever Hinge Screw .....
57c	1793	Driving and Stop Motion Connecting Rod Link Hinge Screw .....
63b	1793	Driving and Stop Motion Ratchet Lever Hinge Screw .....
71b	1783	Feed Shipper Lever Hinge Screw ..
72b	1783	Knife Holder Connecting Link Hinge Screw .....
77b	1783	Driving and Stop Motion Tripping Lever Hinge Screw .....
77b	1783	Thread (upper) Nipper Arm Hinge Screw .....
91f	1793	Barring Lever Clutch Lever Yielding Connection Guide Screw .....
93n	1783	Needle Clamp Disc Spring Screw, for 10110 .....
99e	1783	Clamp Arm Spreader Lever Hinge Screw, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
100b	1793	Barring Lever Clutch Lever Hinge Screw .....
100b	1793	Driving and Stop Motion Ratchet Lever Pawl Hinge Screw .....
103b	1783	Clamp Guide Pin Lifter Hinge Screw, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
105b	1783	Clamp Arm Spreader Link Hinge Screw, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
106b	1793	Barring Lever Clutch Lever Yielding Connection Hinge Screw .....

No.	Plate	Name
106D	1793	Driving and Stop Motion Tripping Lever Catch Hinge Screw .....
109D	1783	Clamp Arm Spreader Screw, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
110C	1793	Spreader Hinge Screw, for 10376 and 10378 .....
118E	1783	Arm Screw .....
124F	1793	Driving and Stop Motion Lever Adjusting Screw .....
129E	1793	Feed Wheel Driving Lever Adjusting Screw, for 18563 .....
130D	1783	Looper Carrier Bracket Screw ....
144D	1793	Arm Shaft (horizontal) Screw ....
147C	1783	Needle Bar Frame Connecting Rod Ball Screw .....
150D	1793	Driving and Stop Motion Lever Screw
155C	1783	Needle Bar Connecting Stud Set Screw, for 7448 .....
159F	1783	Cutting Block Arm Ratchet Wheel Retaining Spring Latch Screw ..
159D	1783	Driving and Stop Motion Lever Spring Screw .....
159D	1783	Tension (upper thread) and Spool Bracket Screw .....
159D	1783	Thread (under) Spool Bracket Screw
176D	1783	Barring Lever Cap Screw .....
176D	1783	Clamp Arm (upper) Screw, for 10829, 10830, 10944 and 10954 .....
176D	1783	Face Plate Screw .....
176D	1783	Feed Regulator Screw .....
176D	1783	" Releasing Lever Adjusting Screw
185H	1793	Spreader Cam Adjusting Slide Screw
192D	1793	Clamp Arm (upper) Screw, for 10844 and 10956 .....
196F	1793	Driving and Stop Motion Ratchet Lever Adjusting Screw .....
209F	1783	Knife Set Screw, for 10547, 10549, 10551 and 10632 .....
209F	1783	Looper Carrier Crank Set Screw ...
209F	1783	Needle Bar Thread Take-up Set Screw, for 10096 .....
209F	1783	Needle Clamp Set Screw, for 10110
214D	1793	Bed Plate Button Slide Connection Stop Screw .....
217F	1793	Barring Lever Clutch Adjusting Screw .....
220D	1783	Clamp Arm (upper) Connecting Yoke Link Screw, for 10171 .....

No.	Plate	Name
223E	1783	Clamp Crank Shaft Bracket Screw (small), for 10829, 10830, 10844, 10944, 10954 and 10956 .....
224D	1783	Clamp Guide Pin Lifter Stop Screw, for 10844 and 10956 .....
224F	1783	Looper Screw .....
228D	1793	Spreader Cam Screw .....
229D	1793	" Spring Screw .....
231C	1783	Bed Plate Clamp Stop Screw, for 18804 .....
233D	1783	Barring Lever Clutch Lever Yielding Connection Spring Screw .....
233D	1783	Clamp Guide Pin Lifter Spring Screw, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
233D	1783	Driving and Stop Motion Tripping Lever Catch Spring Screw .....
233D	1783	Looper Carrier Needle Guard Screw
233D	1783	Needle Bar Thread Take-up Roller Cap Screw, for 10096 .....
236F	1783	Driving and Stop Motion Ratchet Lever Pawl Spring Screw .....
236F	1783	Thread (upper) Take-up Spring Screw
240D	1783	Clamp Thread Catch Screw, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
247F	1783	Clamp Arm (upper) Adjusting Slide Screw, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
290E	1783	Needle Bar Screw Bushing .....
293C	1789	Knife Holder Lifting Rock Shaft Screw Center .....
304C	1783	Cutting Block Arm Screw Center ..
306C	1783	Needle Bar Frame Screw Center (upper) .....
307C	1783	Needle Bar Frame Bell Crank Screw Center .....
307C	1783	Needle Bar Frame Screw Center (lower) .....
333D	1783	Thread (under) Cord Guide Screw..
355D	1793	Driving and Stop Motion Lever Bracket Screw .....
357F	1783	Feed Wheel Driving Lever Block Adjusting Screw .....
378C	1783	Looper Carrier Pitman Hinge Screw
389F	1783	Bed Plate Screw .....
390C	1783	Needle Bar Connecting Link Adjusting Screw, for 10091 .....
390C	1783	Needle Bar Frame Connecting Rod Adjusting Screw, for 10103 .....



No.	Plate	Name
397E	1783	Clamp Crank Shaft Bracket Screw (large), for 10829, 10830, 10844, 10944, 10954 and 10956 .....
399F	1783	Bed Plate Clamp Guide Slide Guide Screw, for 10024 .....
401E	1783	Driving and Stop Motion Lever Friction Pad Screw .....
401E	1783	Feed Wheel Cam Groove Protector Screw (long), for 10479, 10481, 10483, 10485, 10487, 10489, 10491, 10495, 10957, 10958, 18506 and 18569 .....
402D	1783	Clamp Arm (lower) Front Guide Screw, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
405E	1783	Bed Plate Button Screw, for 10638, 18630 and 18757 .....
405E	1783	Bed Plate Protector Screw, for 18628 and 18803 .....
415D	1783	Tension (upper thread) Stud, for 10146 .....
429C	1783	Feed Wheel Driving Lever Supporting Screw .....
430C	1783	Feed Wheel Friction Block Spring Adjusting Screw .....
435C	1783	Thread (upper) Nipper Cam Set Screw, for 10139 .....
444F	1783	Cutting Block Set Screw .....
445C	1783	Driving and Stop Motion Balance Wheel Set Screw, for 10229 .....
445C	1783	Feed and Looper Cam Set Screw, for 10370 .....
445C	1783	Needle Bar Frame Cam Set Screw, for 10101 .....
448C	1783	Table Belt Guide Bracket Shaft Collar Set Screw, for 10857 .....
450C	1783	Knife Holder Hinge Pin Set Screw ..
453C	1783	Arm Shaft (horizontal) Gear Set Screw, for 10004 and 18820 .....
453C	1783	Arm Shaft (upright) Gear Set Screw, for 10007 and 18821 .....
453C	1783	Knife Holder Adjusting Collar Set Screw, for 10552 .....
487D	1780	Thread (under) Spool Spindle, 4 in. long .....
488D	1780	Thread (under) Spool Spindle, 3½ in. long, for 10146 .....
488D	1780	Thread (upper) Spool Spindle, 3½ in. long .....
665D	1793	Needle Clamp Thread Guide Screw, for 10110 .....

No.	Plate	Name
756E	1783	Feed Wheel Cam Groove Protector Screw (short), for 10479, 10481, 10483, 10485, 10487, 10491, 10495, 10957, 18506 and 18569 .....
759F	1783	Thread (under) Spool Spindle Outside Cone Thumb Screw, for 8039 .....
759F	1783	Thread (upper) Spool Spindle Outside Cone Thumb Screw, for 8039 .....
771D	1783	Arm Side Plate Thumb Screw, for 10890 .....
1071C	1793	Eye Stop Adjusting Screw .....
1153C	1783	Thread (upper) Nipper Disc Screw Stud .....
1501E	1789	Knife Holder Lifting Rock Shaft Screw Center Nut .....
1513E	1783	Cutting Block Arm Screw Center Nut .....
1513E	1783	Feed Wheel Driving Lever Supporting Screw Nut .....
1513E	1783	Needle Bar Frame Bell Crank Screw Center Nut .....
1513E	1783	Needle Bar Frame Screw Center Nut .....
1514C	1783	Needle Bar Frame Regulating Screw Stud Nut .....
1518E	1783	Driving and Stop Motion Lever Adjusting Screw Nut .....
1518E	1783	Eye Stop Adjusting Screw Nut ....
1520E	1792	Feed Wheel Driving Lever Block Adjusting Screw Nut .....
1520E	1792	Feed Wheel Friction Block Spring Adjusting Screw Nut .....
1520E	1792	Looper Carrier Pitman Hinge Screw Nut .....
1547D	1783	Thread (upper) Nipper Disc Regulating Thumb Nut Lock Nut ....
1547D	1783	Thread (upper) Nipper Disc Screw Stud Nut .....
1560C	1792	Tension (under thread) Regulating Thumb Nut .....
1560C	1792	Tension (upper thread) Regulating Thumb Nut, for 10146 .....
1645E	1783	Thread (upper) Nipper Disc Regulating Thumb Nut .....
1805	1792	Feed Driving Bell Crank Lever Roller and Stud, for 10028 .....
1807	1792	Looper Driving Bell Crank Roller and Stud, for 10129 .....
1813	1792	Needle Bar Frame Bell Crank Roller and Stud, for 10099 .....



No.	Plate	Name
1814	1792	Feed Shipper Lever Roller and Stud, for 10950 .....
1821	1792	Thread (upper) Nipper Arm Roller and Stud .....
1823	1793	Driving and Stop Motion Ratchet Lever Roller and Stud, for 10245 .....
1827	1792	Bed Plate Clamp Guide Slide Roller and Stud, for 10020 .....
1900	1793	Feed Shipper Lever Releasing Roller and Stud, for 10950 .....
2077	1793	Looper Carrier Pin .....
2102	1789	Tension (under thread) Disc .....
2102	1789	" (upper thread) Disc, for 10146 .....
2103	1792	" " " Spring, for 10146 .....
2117	1792	Arm Shaft (horizontal) Gear Pin ..
2117	1792	" " (upright) Gear Pin .....
3012	1792	Thread (upper) Nipper Cam Pin ..
5569	1789	Driving and Stop Motion Ratchet Lever Spring .....
5569	1789	Feed Hand Ratchet Pawl Spring ...
5569	1789	" Wheel Brake Dog Spring ....
6312	1793	Driving and Stop Motion Lever Spring Screw Washer .....
7448	1789	Needle Bar Connecting Stud 7548 with 155c .....
7548	—	Needle Bar Connecting Stud, for 7448 .....
7958	1792	Looper Carrier Bracket Dowel Pin..
7958	1792	" " Crank Pin .....
8039	1789	Thread (under) Spool Spindle Outside Cone 8064 with 759F, for 10146 .....
8039	1789	Thread (upper) Spool Spindle Outside Cone 8064 with 759F .....
8064	—	Thread (under) Spool Spindle Outside Cone, for 8039 .....
8064	—	Thread (upper) Spool Spindle Outside Cone, for 8039 .....
8582	1792	Arm Dowel Pin .....
8734	1789	Feed Wheel Driving Lever Spring..
8800	1792	Thread (upper) Nipper Disc .....
9263	1793	Driving and Stop Motion Lever Bracket Screw Washer .....
10002	1790	Arm Shaft (horizontal) .....
10004	1789	" " " Gear with 453c (obsolete) .....
10005	1790	Arm Shaft (upright) .....
10007	1791	" " " Gear with 453c (obsolete) .....
*10008	—	Arm Side Plate, for 10890 .....

Nos. 10020 to 10023, for 10024.

No.	Plate	Name
10020	1789	Bed Plate Clamp Guide Slide with 1827 .....
10021	1789	Bed Plate Clamp Guide Slide Guide..
10022	1792	" " " " " Spring Stop Stud .....
10023	1789	Bed Plate Clamp Guide Slide Spring
10024	1789	Bed Plate Clamp Guide complete, Nos. 10020, 10022, 10023, two 10021 and four 399F, for 10638, 18630 and 18757 .....
10026	1788	Face Plate .....
10028	1790	Feed Driving Bell Crank Lever with 1805 .....
10029	1789	Feed Wheel Friction Block .....
10030	1789	" " " " Spring ..
10032	1789	Driving and Stop Motion Tripping Lever Handle, for 10092 and 18819 .....
10033	1789	Feed Hand Ratchet Pawl with 10035 (obsolete), for 10263 .....
10034	1792	Feed Hand Ratchet Pawl Hinge Stud, for 10263 .....
10035	1792	Feed Hand Ratchet Pawl Spring Hook, for 10033 .....
10035	1792	Feed Wheel Brake Dog Spring Hook
10041	1789	" Regulator (long) .....
10059	—	" Wheel Brake Dog with 10060 ..
10060	1792	" " " " Stud, for 10059 ..
10061	1780	" Hand Ratchet Pawl Spring Pin, for Bed .....
10061	1780	Feed Wheel Driving Lever Spring Pin
10062	—	" " " " (obsolete)
10063	1789	" " " " Block ...
10081	—	" " Latch, $\frac{1}{2}$ in., for 10479 ..
10082	1789	" " " $\frac{1}{16}$ in., for 10481 ..
10083	—	" " " $\frac{1}{8}$ in., for 10483 ..
10084	—	" " " $\frac{1}{4}$ in., for 10485 ..
10085	—	" " " $\frac{3}{4}$ in., for 10487 ..
10086	—	" " " $\frac{1}{2}$ in., for 10489 ..
10087	—	" " " 1 in., for 10491 ..
10088	1788	Needle Bar, for 10089 .....
10089	1788	Needle Bar complete, Nos. 10088, 10096, 10108 and 10110 .....
10091	1789	Needle Bar Connecting Link with two 390c .....
10092	1794	Driving and Stop Motion Tripping Lever complete, Nos. 10032, 10113, 10314 and two 10556 (obsolete) ..

Nos. 10093 to 10095, for 10096.

No.	Plate	Name
10093	1789	Needle Bar Thread Take-up with 10114 .....
10094	1792	Needle Bar Thread Take-up Roller ..
10095	1792	" " " " " Cap
10096	1789	Needle Bar Thread Take-up complete, Nos. 209F, 233D and 10093 to 10095, for 10089 .....
10099	1788	Needle Bar Frame Bell Crank with 1813 .....
10101	1789	Needle Bar Frame Cam with two 445c
10103	1788	" " " Connecting Rod with 390c .....
10104	1792	Needle Bar Frame Connecting Rod Ball .....

Nos. 10105 to 10107, for 10110.

10105	1792	Needle Clamp .....
10106	1792	" " Disc .....
10107	1792	" " " Spring .....
10108	1792	" " " Gib, for 10089 .....
10109	1792	" " Thread Guide, for 10110
10110	1792	Needle Clamp complete, Nos. 93n, 209r, 665D, 10105, 10107, 10109 and two 10106, for 10089 .....
10111	1792	Thread (under) Spool Spindle Inside Cone .....
10111	1792	Thread (upper) Spool Spindle Inside Cone, for 10146 .....
10112	1792	Thread (under) Spool Spindle Inside Cone Spring .....
10112	1792	Thread (upper) Spool Spindle Inside Cone Spring, for 10146 .....
10113	1795	Driving and Stop Motion Tripping Lever Handle Bar (obsolete), for 10092 .....
10114	1792	Needle Bar Thread Take-up Roller Pin, for 10093 .....
10116	1789	Table Bracket Machine Holder Pin, for 10216 .....
10122	1791	Looper Carrier Bracket .....
10123	1789	" " Crank .....
10127	1788	" " Pitman .....
10129	1790	" Driving Bell Crank with 1807
10130	1789	" Carrier Shaft .....
10136	1792	Bed Plate Button Slide Connection Spring Hook, for 10307 .....

No.	Plate	Name
10137	1789	Thread (upper) Nipper Arm .....
10139	1791	" " " Cam with 435c
10140	1789	" " " Lever .....
10141	1792	" " " " Spring..
10142	1789	" " " Link .....
10144	1788	Tension (upper thread) and Spool Bracket, for 10146 .....
10145	1792	Tension (under thread) Thread Guide
10145	1792	" (upper thread) Thread Guide, for 10146 .....
10145	1792	Thread (under) Thread Guide .....
10146	—	Tension (upper thread) and Spool Bracket complete, Nos. 415D, 488D, 1560c, 2103, 8039, 10111, 10112, 10144, 10145 and two 2102 .....
10147	1788	Thread (under) Spool Bracket ....
10148	1792	Tension (under thread) Spring ....
10149	1789	Thread (under) Take-up Spring ...
10150	1789	" " Cord Guide .....
10151	1789	" (upper) Take-up Spring .....
10152	1792	Face Plate Thread Guide .....
10157	1792	Clamp Arm (lower) Front Guide Dowel Pin, for 10829, 10830, 10844, 10944, 10954 and 10956 .....
10157	1792	Clamp Check Hinge Pin, for 10829, 10830, 10844, 10944, 10954 and 10956
10157	1792	Clamp Guide Pin Lifter Stop Pin, for 10829, 10830, 10944 and 10954 ..

Nos. 10158 to 10161, for 10829, 10830, 10844,  
10944, 10954 and 10956.

10158	1780	Clamp Arm (lower) Rear Guide (right) .....
10159	1780	Clamp Arm (lower) Rear Guide (left)
10160	1792	" " " " " (right) Rivet .....
10161	1783	Clamp Arm (lower) Rear Guide (left) Rivet .....
10164	1780	Clamp Arm (upper) Adjusting Slide, for 10829, 10830, 10944 and 10954
10165	1792	Clamp Arm (upper) Adjusting Slide Steady Pin, for 10822 and 10823 ..

Nos. 10170 to 10174, for 10829, 10830, 10944 and  
10954.

10170	1780	Clamp Arm (upper) Connecting Yoke; also for 10844 and 10956 ..
-------	------	---

No.	Plate	Name
10171	1780	Clamp Arm (upper) Connecting Yoke Link with two 220D; also for 10844 and 10956 .....
10172	1780	Clamp Arm (upper) Hinge .....
10173	1783	" " " " Pin; also for 10844 and 10956 .....
10174	1780	Clamp Arm Spreader; also for 10844 and 10956 .....
Nos. 10176 to 10185, for 10829, 10830, 10944 and 10954.		
10176	1780	Clamp Arm Spreader Link; also for 10844 and 10956 .....
10177	1780	Clamp Crank Shaft; also for 10844 and 10956 .....
10178	1780	Clamp Crank Shaft Bracket (right)
10179	1780	" " " " (left) ...
10180	1780	" " " " Lever .....
10181	1783	" " " " Pin; also for 10844 and 10956 .....
10182	1780	Clamp Guide Pin; also for 10844 and 10956 .....
10183	1780	Clamp Guide Pin Lifter .....
10184	1780	" " " " Spring; also for 10844 and 10956 .....
10185	1780	Clamp Guide Pin Post .....
10187	1783	" Thread Catch, for 10829, 10830, 10844, 10944, 10954 and 10956 ...
10195	1780	Clamp Arm (upper) Spring, for 10829, 10830, 10844, 10944, 10954 and 10956
10215	1794	Feed Wheel Driving Lever Block (Hamburgh style) .....
10216	1790	Table Bracket Machine Holder (right) with 10116 and three wood screws 1½ in., No. 14, R.H.B. ....
10217	1791	Barring Lever .....
10218	1794	" " Cap .....
10219	1794	" " Clutch .....
10220	1794	" " " " Lever .....
10222	1794	" " " " Yielding Connection with 10251 .....
10223	1793	Barring Lever Clutch Lever Yielding Connection Spring .....
10223	1793	Driving and Stop Motion Tripping Lever Catch Spring .....
10223	1793	Spreader Spring .....
10229	1790	Driving and Stop Motion Balance Wheel with two 445c .....
10230	1791	Driving and Stop Motion Connecting Rod, for 10232 .....

No.	Plate	Name
10231	1795	Driving and Stop Motion Connecting Rod Head, for 10232 .....
10232	—	Driving and Stop Motion Connecting Rod 10230 with 10231 .....
10233	1795	Driving and Stop Motion Connecting Rod Link .....
10235	1790	Driving and Stop Motion Friction Pulley with 10236 .....
10236	1795	Driving and Stop Motion Friction Pulley Center Bearing, for 10235 ..
10238	1790	Driving and Stop Motion Friction Pulley Washer (paper) .....
10239	1790	Driving and Stop Motion Lever with 10556 .....
10240	1790	Driving and Stop Motion Lever Bracket .....
10241	1795	Driving and Stop Motion Lever Friction Pad (leather) .....
10242	1795	Driving and Stop Motion Lever Spring .....
10243	1795	Driving and Stop Motion Lever Screw Washer .....
10245	1795	Driving and Stop Motion Ratchet Lever with 1823 and 10251 .....
10247	1795	Driving and Stop Motion Ratchet Lever Pawl with 10248 .....
10248	1783	Clamp Arm (upper) Adjusting Slide Steady Pin, for 10832 and 10833 ..
10248	1783	Driving and Stop Motion Ratchet Lever Pawl Pin, for 10247 .....
10249	1795	Driving and Stop Motion Ratchet Lever Pawl Spring .....
10251	1793	Barring Lever Clutch Lever Yielding Connection Spring Hook, for 10222
10251	1793	Driving and Stop Motion Ratchet Lever Spring Hook, for 10245 and 10314 .....
10255	1795	Driving and Stop Motion Tripping Lever Catch .....
10256	1795	Driving and Stop Motion Tripping Lever Spring .....
10257	1793	Driving and Stop Motion Tripping Lever Spring Pin, for 10314 and 18817 .....
10261	1794	Feed Hand Ratchet Lever, for 10263
10262	1794	" " " " Handle, for 10263 .....
10263	—	Feed Hand Ratchet complete, Nos. 10034, 10261, 10262 and 18790 ....

No.	Plate	Name
10306	1791	Bed Plate Button Slide, for 10638, 18630 and 18757 .....
10307	1791	Bed Plate Button Slide Connection with 10136 .....
10309	1792	Bed Plate Button Slide Connection Spring .....
10314	1795	Driving and Stop Motion Tripping Lever with 10251 and 10257 (obsolete), for 10092 .....
10370	1790	Feed and Looper Cam with two 445c
10371	1793	Looper (long) .....
10372	1793	" (short) .....
10373	1795	" Carrier .....
10374	1793	" " Needle Guard .....
10376	1793	Spreader (right) with 110c .....
10378	1793	" (left) with 110c .....
10381	1793	" Cam (right) .....
10382	1793	" " (left) .....
10383	1793	" " Adjusting Slide .....
10452	1790	Cutting Block Arm .....
10453	1782	" " " Ratchet Wheel..
10454	1782	" " " " " Re- taining Spring Latch .....
10455	1791	Cutting Block Arm Spring .....
10461	1792	Bed Plate Dowel Pin .....
10462	1792	" " Stud (obsolete) .....
10463	1782	Cutting Block (brass), $\frac{1}{8}$ in. (obsolete), for 10632 .....
10464	1782	Cutting Block (brass), $\frac{3}{8}$ in., for 10547
10465	1782	" " " $\frac{1}{2}$ in., for 10547
10466	1782	" " " $\frac{3}{4}$ in., for 10549
10467	1782	" " " 1 in., for 10549

Nos. 10469 to 10474, for 10551.

10469	1782	Cutting Block (brass), $\frac{3}{8}$ inch .....
10470	1782	" " " 1 inch .....
10471	1782	" " " $1\frac{1}{8}$ inch .....
10472	1782	" " " $1\frac{1}{4}$ inch .....
10473	1782	" " " $1\frac{3}{8}$ inch .....
10474	1782	" " " $1\frac{1}{2}$ inch .....
10475	1794	Eye Stop Substitute (obsolete), for 10636 .....
10479	—	Feed Wheel with 10081, 10504, 10505, two each 401E and 756E, for $\frac{1}{2}$ in. buttonhole .....
10481	—	Feed Wheel with 10082, 10506, 10507, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....

No.	Plate	Name
10483	—	Feed Wheel with 10083, 10508, 10509, two each 401E and 756E, for $\frac{3}{8}$ in. buttonhole .....
10485	—	Feed Wheel with 756E, 10084, 10510, 10511 and three 401E, for $\frac{1}{4}$ in. buttonhole .....
10487	—	Feed Wheel with 756E, 10085, 10512, 10513 and three 401E, for $\frac{3}{4}$ in. buttonhole .....
10489	—	Feed Wheel with 10086, 10514, 10515, and four 401E, for $\frac{3}{4}$ in. buttonhole
10491	—	Feed Wheel with 756E, 10087, 10516, 10517 and three 401E, for 1 in. buttonhole .....
10495	—	Feed Wheel with 401E, 10518, 10519, 10521 and three 756E, for $1\frac{1}{8}$ in. buttonhole .....
10502	1782	Cutting Block (brass), $\frac{3}{8}$ inch .....
10504	1794	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (inside), for 10479 .....
10505	1794	Feed Wheel Cam Groove Protector, $\frac{1}{2}$ in. (outside), for 10479 .....
10506	—	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (inside), for 10481 .....
10507	—	Feed Wheel Cam Groove Protector, $\frac{1}{8}$ in. (outside), for 10481 .....
10508	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10483 .....
10509	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10483 .....
10510	—	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (inside), for 10485 .....
10511	—	Feed Wheel Cam Groove Protector, $\frac{1}{4}$ in. (outside), for 10485 .....
10512	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10487 .....
10513	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10487 .....
10514	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (inside), for 10489 .....
10515	—	Feed Wheel Cam Groove Protector, $\frac{3}{8}$ in. (outside), for 10489 .....
10516	—	Feed Wheel Cam Groove Protector, 1 in. (inside), for 10491 .....
10517	—	Feed Wheel Cam Groove Protector, 1 in. (outside), for 10491 .....
10518	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 10495 .....
10519	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 10495 .....

No.	Plate	Name
10520	—	Feed Wheel Latch, $1\frac{1}{8}$ in., for 18506
10521	—	" " " $1\frac{1}{8}$ in., for 10495
10523	—	" " " $1\frac{1}{8}$ in., for 18569
10524	—	" " " $1\frac{1}{8}$ in., for 10958
10526	—	Knife, $\frac{1}{2}$ in. (large size eye) .....
10527	1782	" $\frac{9}{16}$ in. (large size eye) .....
10528	1782	" $\frac{5}{8}$ in. (large size eye) .....
10529	—	" $1\frac{1}{8}$ in. (large size eye) .....
10530	1782	" $\frac{3}{4}$ in. (large size eye) .....
10531	—	" $\frac{7}{8}$ in. (large size eye) .....
10532	1782	" 1 in. (large size eye) .....
10533	—	" $1\frac{1}{8}$ in. (large size eye) .....
10534	1782	" $1\frac{1}{4}$ in. (large size eye) .....
10535	1782	" $1\frac{1}{2}$ in. (large size eye) .....
10536	—	" $\frac{1}{2}$ in. (small size eye) .....
10537	—	" $\frac{9}{16}$ in. (small size eye) .....
10538	—	" $\frac{5}{8}$ in. (small size eye) .....
10539	—	" $1\frac{1}{8}$ in. (small size eye) .....
10540	—	" $\frac{3}{4}$ in. (small size eye) .....
10541	—	" $\frac{7}{8}$ in. (small size eye) .....
10542	—	" 1 in. (small size eye) .....
10543	—	" $1\frac{1}{8}$ in. (small size eye) .....
10544	—	" $1\frac{1}{4}$ in. (small size eye) .....
10545	—	" $1\frac{1}{2}$ in. (small size eye) .....
10547	1784	" Holder with 209F and two 10556, for 10528 to 10530 and 10538 to 10540
10549	1791	Knife Holder with 209F and two 10556, for 10531, 10532, 10541 and 10542
10551	1791	Knife Holder with 209F and two 10556, for 10533 to 10535 and 10543 to 10545
10552	1782	Knife Holder Adjusting Collar with 453c .....
10553	1782	Knife Holder Connecting Link .....
10554	1792	" " " " Pin ..
10555	1791	" " Hinge Pin .....
10556	1780	Driving and Stop Motion Lever Spring Pin, for 10239 .....
10556	1780	Driving and Stop Motion Tripping Lever Handle Bar Rivet, for 18819
10556	1780	Knife Position Pin, for 10547, 10549, 10551 and 10632 .....
10557	1788	Needle Bar Frame .....
10558	1789	Feed Regulator (reverse) .....
10559	1789	" " (short) .....
10560	1790	Knife Holder Lifting Rock Shaft ...
10561	1791	" " " " " Con- necting Link .....
10562	1792	Knife Holder Lifting Rock Shaft Connecting Link Pin .....

No.	Plate	Name
10563	1790	Table Bracket Machine Holder (left) with four wood screws $1\frac{1}{4}$ in., No. 14, R.H.B. ....
10564	—	Thread (upper) Cord Guide with three 10574 (obsolete) .....
10574	1792	Thread (upper) Cord Guide Eyelet (obsolete), for 10564 and 18546 ..
10582	1791	Driving and Stop Motion Starting Lever, for 10245 .....
10632	1784	Knife Holder with 209F and two 10556, for 10526, 10527, 10536 and 10537..
10636	1790	Bed Plate with 10475 and two 621E (obsolete), for 10638 .....
10637	1789	Bed Plate Button, for 10638, 18630 and 18757 .....
10638	—	Bed Plate complete, Nos. 10024, 10306, 10636, 10637 and three 405E (obso- lete) .....
Nos. 10817 to 10820, for 10829, 10830, 10844, 10944, 10954 and 10956.		
10817	1780	Clamp Arm (lower, right) .....
10818	1780	" " (lower, left) .....
10819	1780	" " (lower) Front Guide (right) .....
10820	1780	Clamp Arm (lower) Front Guide (left) .....
Nos. 10821 to 10823, for 10829, 10830, 10944 and 10954.		
10821	1791	Clamp Arm Spreader Lever .....
10822	1780	" " (upper, right) with 10165
10823	1780	" " (upper, left) with 10165
10824	1780	" Check (right), $1\frac{1}{2}$ in., for 10830, 10954 and 10956 .....
10825	1780	Clamp Check (left), $1\frac{1}{2}$ in., for 10830, 10954 and 10956 .....
Nos. 10826 to 10828, for 10829 and 10844.		
10826	1794	Clamp Check (right), $1\frac{1}{4}$ in.; also for 10944 .....
10827	1794	Clamp Check (left), $1\frac{1}{4}$ in.; also for 10944 .....
10828	1788	Clamp Plate; also for 10830 and 10956

No.	Plate	Name
10829	—	Clamp, 1½ in. complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826 to 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157
10830	1788	Clamp, 1½ in. complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 10828, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157

Nos. 10832 to 10839, for 10844 and 10956.

10832	1794	Clamp Arm (upper, right) with 10248
10833	1794	" " (upper, left) with 10248
10834	1794	" " (upper) Adjusting Slide
10835	1794	" " " Hinge
10836	1793	" " " Dowel Pin
10837	1794	" Crank Shaft Bracket (right)
10838	1794	" " " (left)
10839	1794	" " " Lever

Nos. 10841 to 10843, for 10844 and 10956.

10841	1794	Clamp Guide Pin Lifter
10842	1794	" " " Stop
10843	1794	" Arm Spreader Lever
10844	—	Clamp, 1½ in. complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10817 to 10820, 10826 to 10828, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836, for military work
10845	1794	Clamp Guide Pin Post, for 10844 and 10956
10856	1788	Table Belt Guide Bracket complete, Nos. 10857 to 10859 and three wood screws 1½ in., No. 12, R.H.B.

Nos. 10857 to 10859, for 10856.

10857	1788	Table Belt Guide Bracket with 448c
10858	1788	" " " Shaft
10859	1788	" " " Pulley
10875	1788	Wrench, for 1518 and 1520

No.	Plate	Name
10876	1788	Wrench, for 357 and 1513
10877	1788	" " 10453
*10890	—	Arm with 771D and 10008
10893	1789	Eye Stop, for 10547 and 10549
10944	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10823, 10826, 10827, 18578, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157
10947	1795	Feed Releasing Lever with 10948 and two 18587
10948	1795	Feed Releasing Lever Packing, for 10947
10950	1795	Feed Shlpper Lever with 1814 and 1900
*10953	—	Bed
10954	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176 to 10185, 10187, 10817 to 10825, 18578, two each 176D, 223E, 247F, 397E, 402D, 10160, 10161, 10164, 10172, 10173, 10195 and five 10157
10956	—	Clamp, 1½ in., complete, Nos. 99E, 103D, 105D, 109D, 224D, 233D, 240D, 10158, 10159, 10170, 10171, 10174, 10176, 10177, 10181, 10182, 10184, 10187, 10817 to 10820, 10824, 10825, 10828, 10832, 10833, 10837 to 10839, 10841 to 10843, 10845, two each 192D, 223E, 247F, 397E, 402D, 10160, 10161, 10173, 10195, 10834, 10835, four each 10157 and 10836
10957	1790	Feed Wheel with 401E, 10962, 10963, 10967 and three 756E, for 1½ in. buttonhole
10958	—	Feed Wheel with 10524, 10964, 10965 and four 401E, for 1½ in. buttonhole
10962	—	Feed Wheel Cam Groove Protector, 1½ in. (inside), for 10957
10963	—	Feed Wheel Cam Groove Protector, 1½ in. (outside), for 10957
10964	—	Feed Wheel Cam Groove Protector, 1½ in. (inside), for 10958
10965	—	Feed Wheel Cam Groove Protector, 1½ in. (outside), for 10958

No.	Plate	Name
10967	—	Feed Wheel Latch, $1\frac{1}{4}$ in., for 10957
18506	—	" " with 10520, 18507, 18508, two each 401E and 756E, for $1\frac{1}{8}$ in. buttonhole .....
18507	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 18506 .....
18508	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 18506 .....
18545	1793	Bed Plate Spring Guide (obsolete) ..
18546	1789	Thread (upper) Cord Guide with three 10574 (obsolete) .....
18548	1782	Cutting Block (brass), $\frac{1}{2}$ in., for 10551
18557	1794	Clamp Check Presser Spring (obsolete) .....
18563	1788	Feed Wheel Driving Lever with 129E
18569	—	" " with 10523, 18570, 18571, two each 401E and 756E, for $1\frac{1}{8}$ in. buttonhole .....
18570	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (inside), for 18569 .....
18571	—	Feed Wheel Cam Groove Protector, $1\frac{1}{8}$ in. (outside), for 18569 .....
18576	1789	Eye Stop, for 10632 .....
18578	1784	Clamp Plate, for 10944 and 10954 ....
18587	1793	Feed Releasing Lever Packing Rivet, for 10947 .....
18619	1789	Bed Plate Protector, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, for 18628 and 18803 ..
18628	1790	Bed Plate with two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes (obsolete), for 18630 .....
18630	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10306, 10637, 18628 and three 405E (obsolete) .....
18750	1782	Cutting Block (brass), $\frac{1}{2}$ in., for 10632
18751	1782	" " " " $\frac{3}{8}$ in., for 10632
18752	1783	Bed Plate Clamp Stop Stud, for 18797 and 18798 .....
18757	—	Bed Plate complete, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, Nos. 10024, 10306, 10637, 18804 and three 405E .....
18790	1784	Feed Hand Ratchet Pawl with 18791, for 10263 .....
18791	1793	Feed Hand Ratchet Pawl Spring Hook, for 18790 .....
18797	1784	Bed Plate Clamp Stop (left) with 18752, for 18804 .....

No.	Plate	Name
18798	1784	Bed Plate Clamp Stop (right) with 18752, for 18804 .....
18803	1790	Bed Plate with two 18619 and four 405E, for $1\frac{1}{8}$ to $1\frac{1}{2}$ in. buttonholes, for 18804 .....
18804	—	Bed Plate 18803 with 18797, 18798 and four 231C, for 18757 .....
18817	1795	Driving and Stop Motion Tripping Lever with two 10257, for 18819 ..
18818	1795	Driving and Stop Motion Tripping Lever Handle Bar, for 18819 ....
18819	1795	Driving and Stop Motion Tripping Lever complete, Nos. 10032, 18817, 18818 and four 10556 .....
18820	1784	Arm Shaft (horizontal) Gear with 453C .....
18821	1784	Arm Shaft (upright) Gear with 453C
18876	—	Needle Bar Packing Cord .....
26026	1784	Screw Driver, Nos. 120088 and 120090
35143	1784	Tweezers, 4 in. long .....
36569	—	Oiler with 36571, for 36570 .....
36570	—	" 36569, filled with oil .....
36571	—	" Spout, $1\frac{1}{4}$ in. long, with 36807, for 36569 .....
36807	—	Oiler Spout Washer (leather), for 36571 .....
50021D	—	Tension (under thread) Screw Stud
*120088	—	Screw Driver Blade, for 26026 .....
*120090	—	" " Handle, for 26026 .....



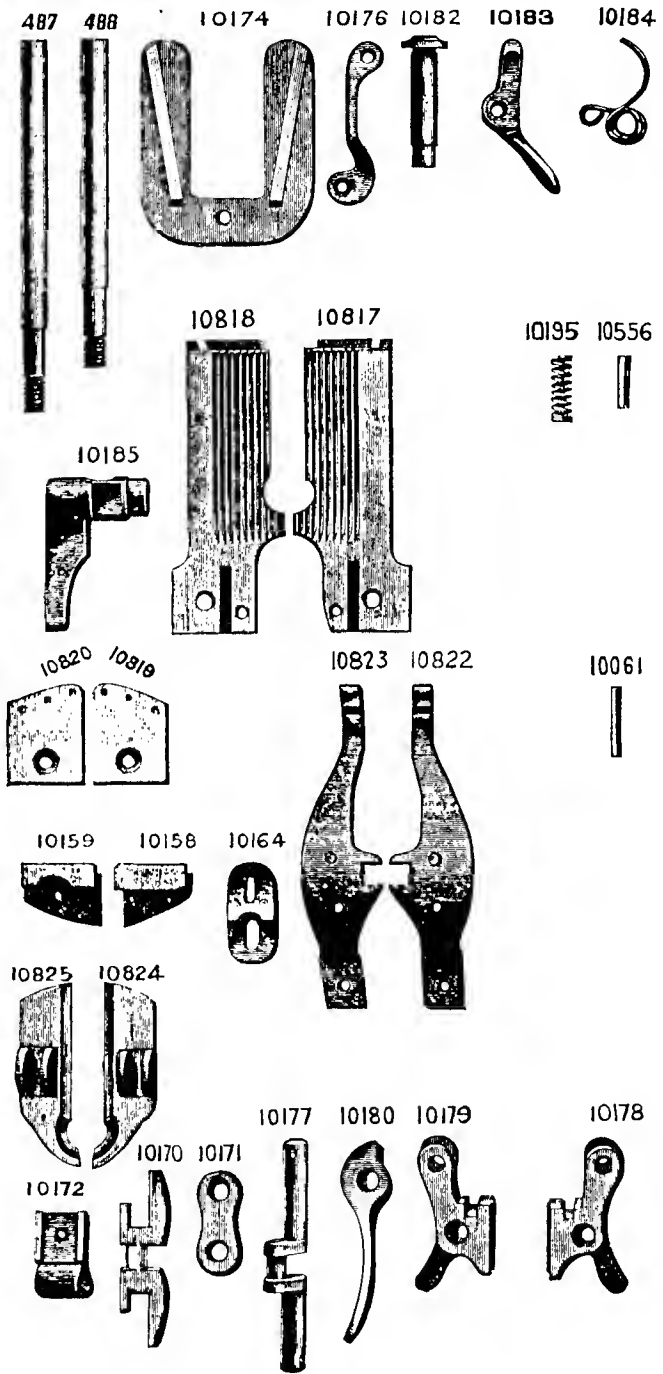
**ILLUSTRATIONS OF PARTS**

**FOR**

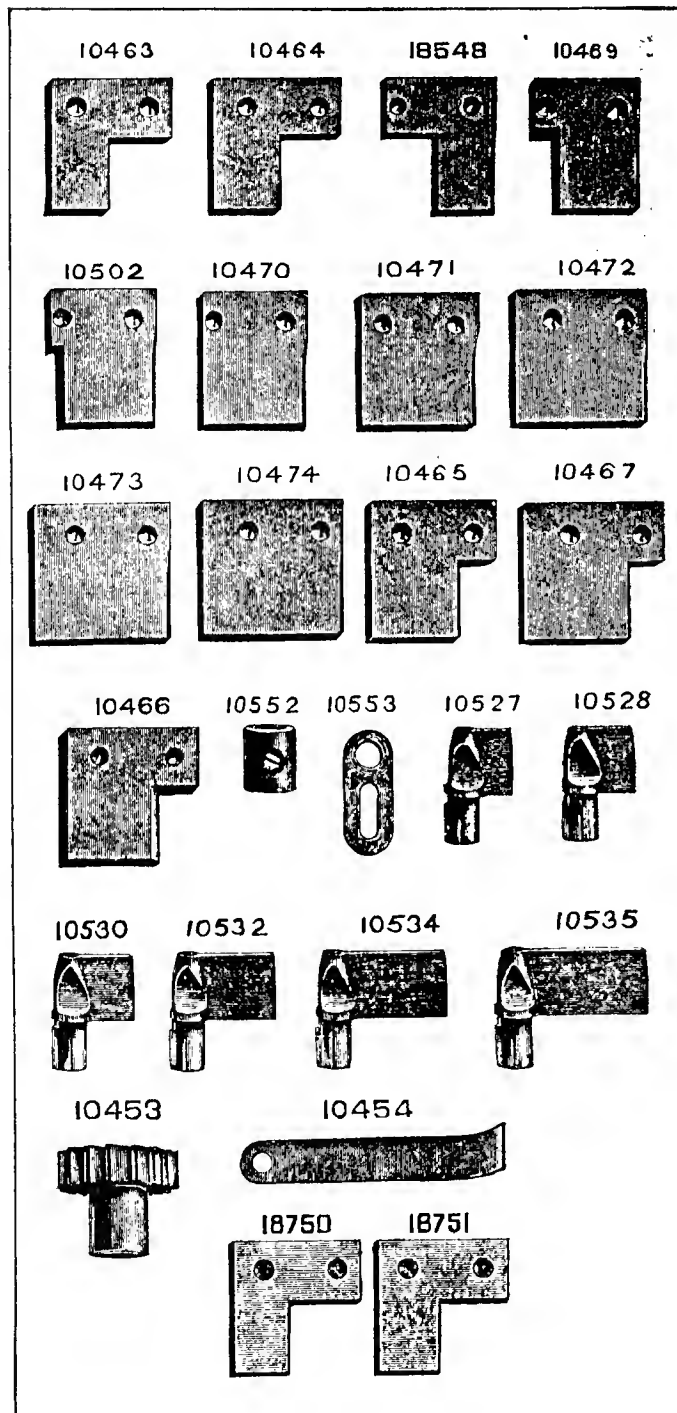
**MACHINE No. 23-19**



# PLATE 1780—ONE-HALF SIZE



# PLATE 1782—ONE-HALF SIZE



# PLATE 1783—FULL SIZE

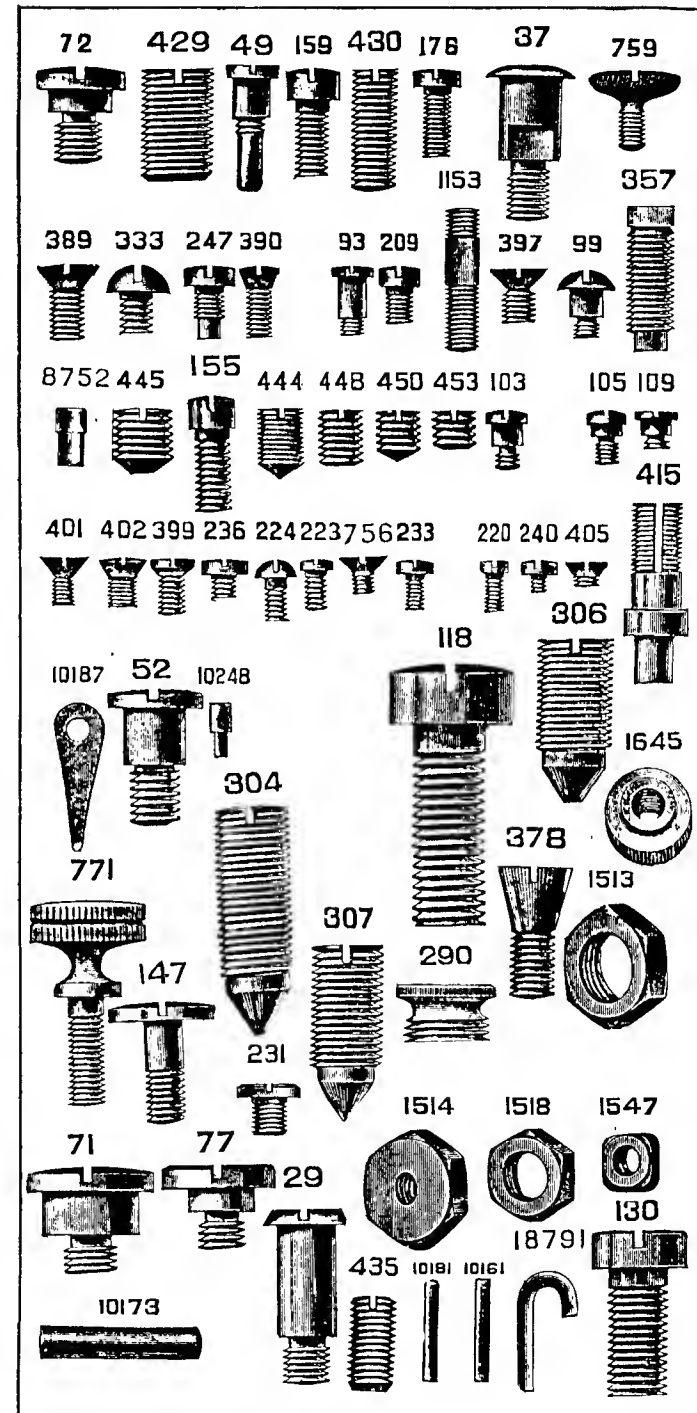


PLATE 1784—ONE-HALF SIZE

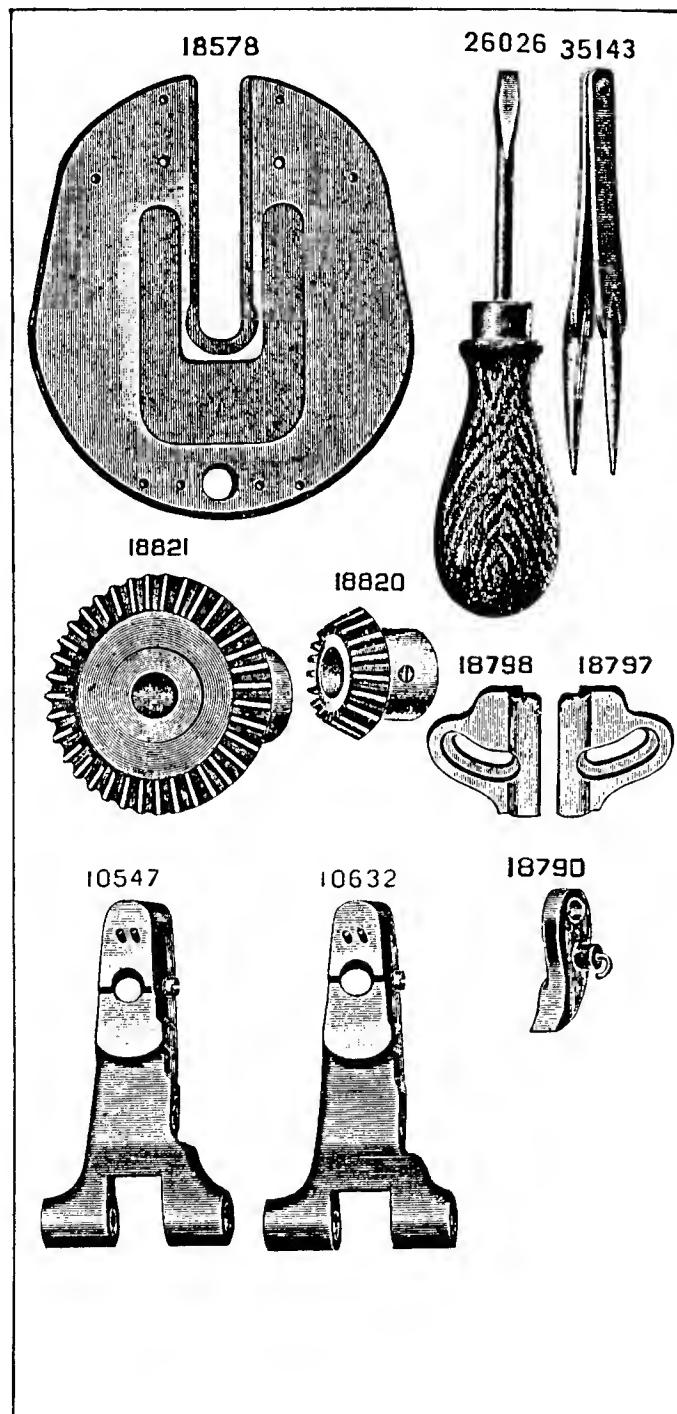
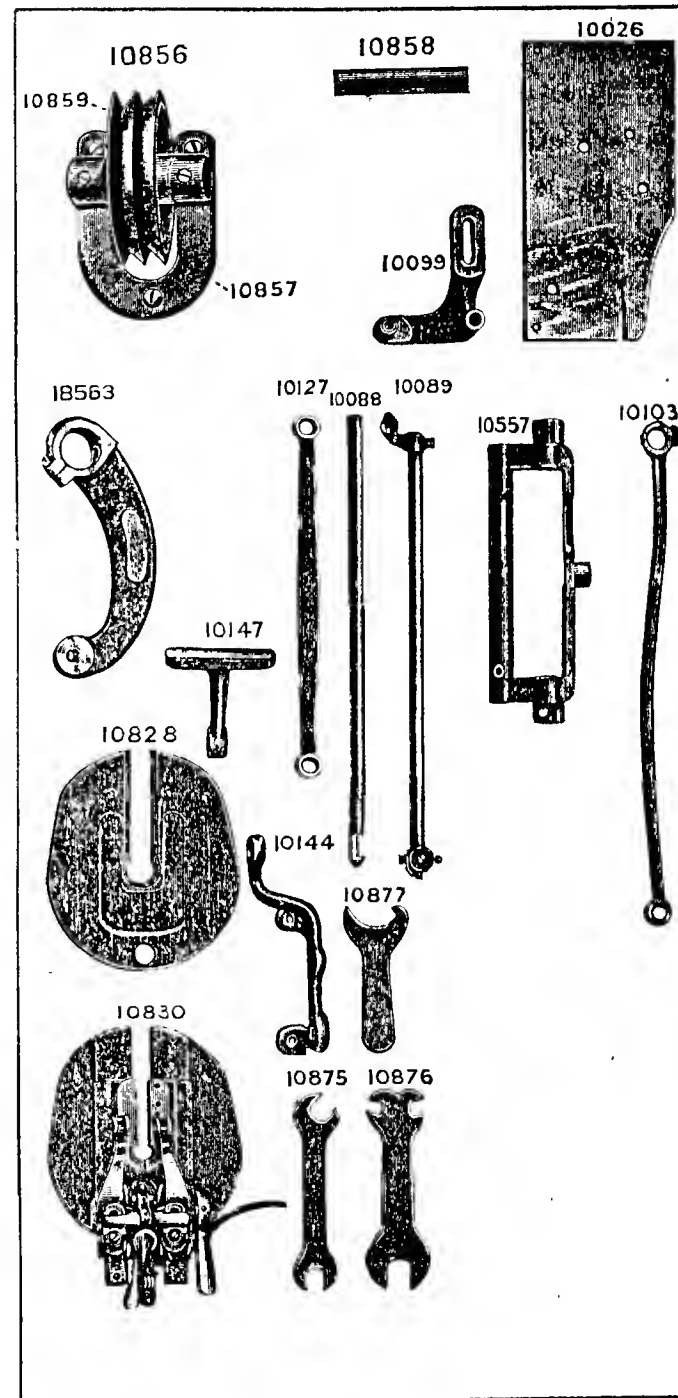
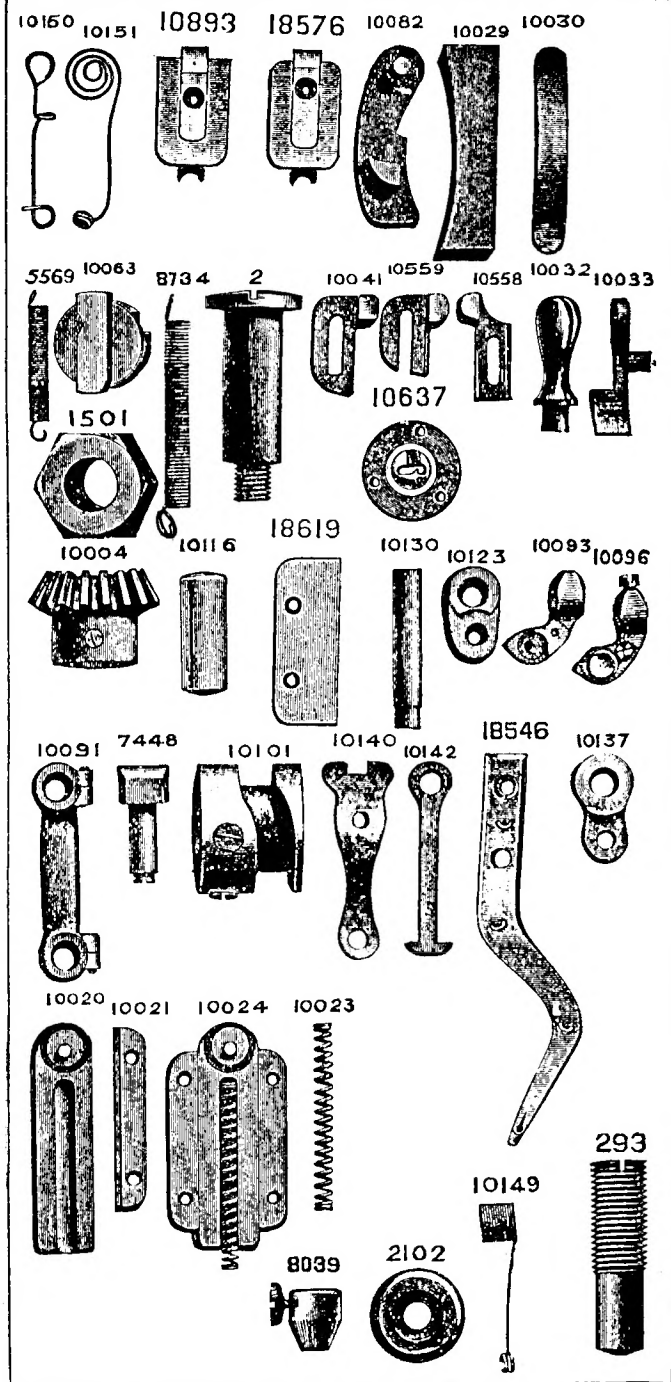


PLATE 1788—ONE-FOURTH SIZE



# PLATE 1789—ONE-HALF SIZE



# PLATE 1790—ONE-SIXTH SIZE

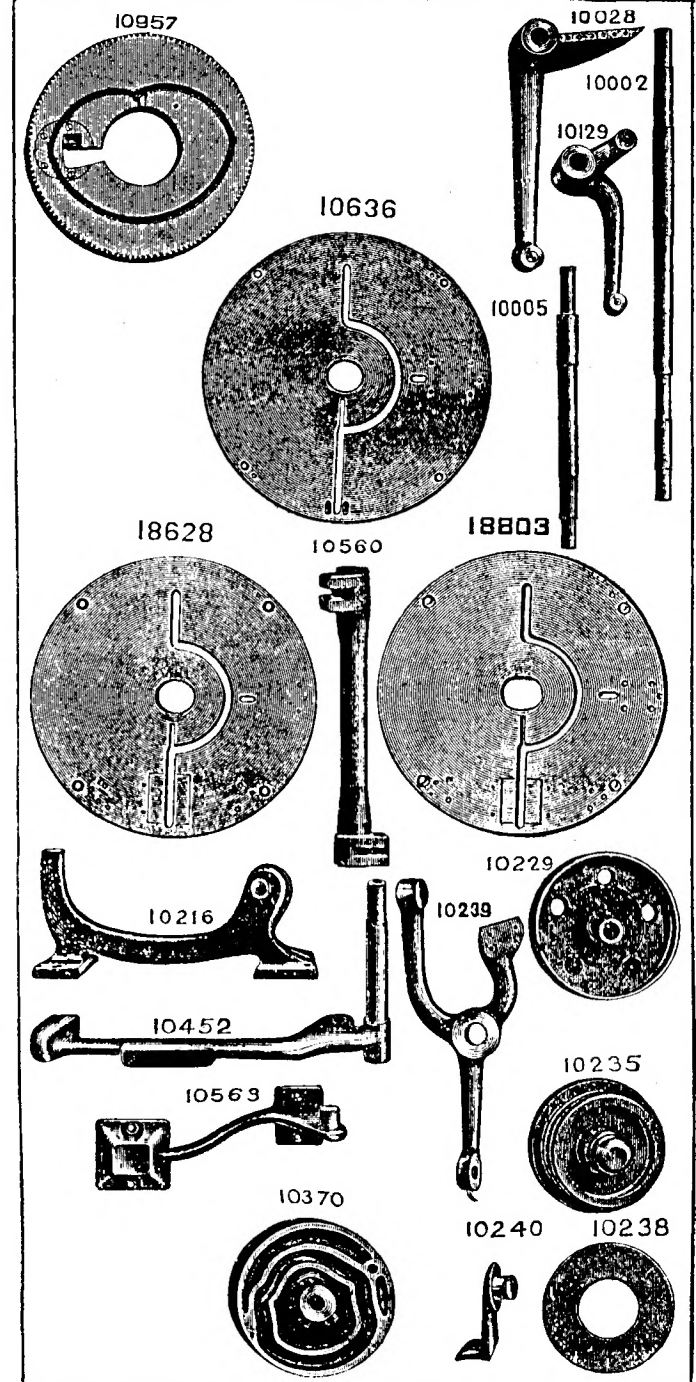


PLATE 1791—ONE-THIRD SIZE

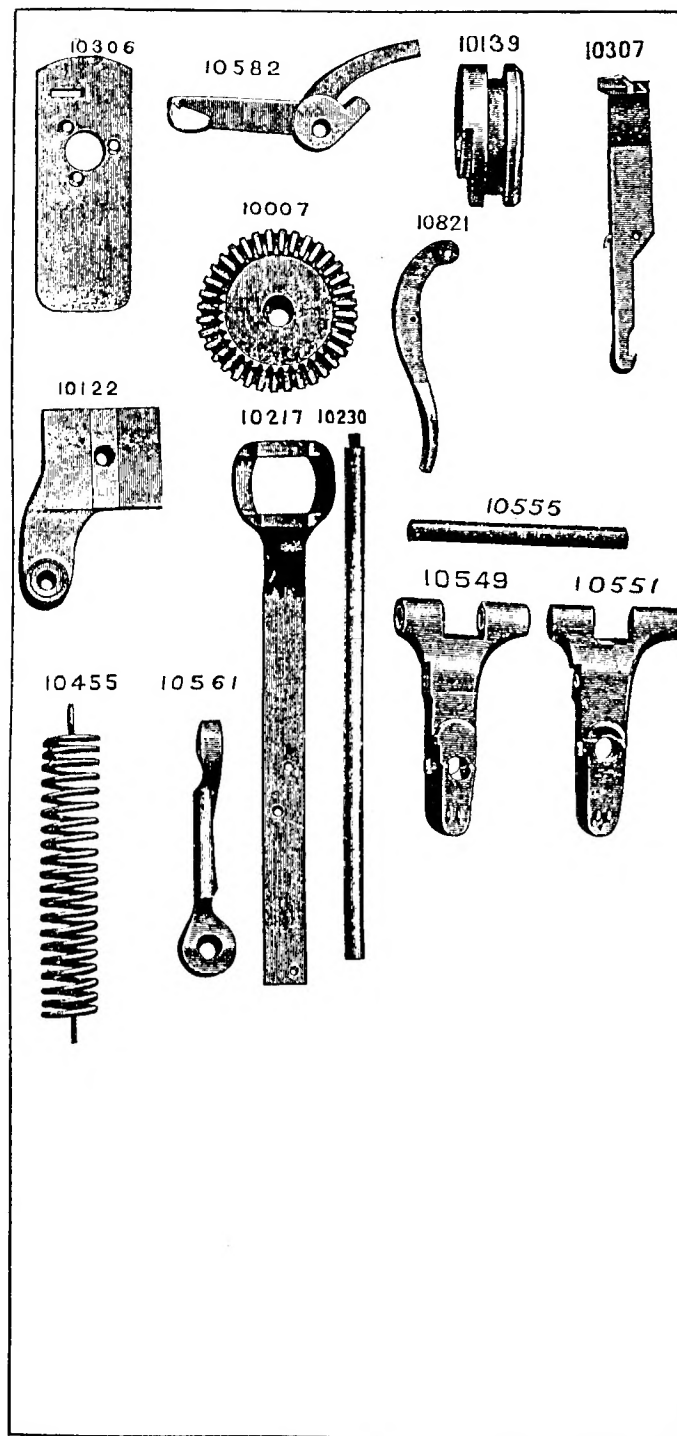


PLATE 1792—FULL SIZE

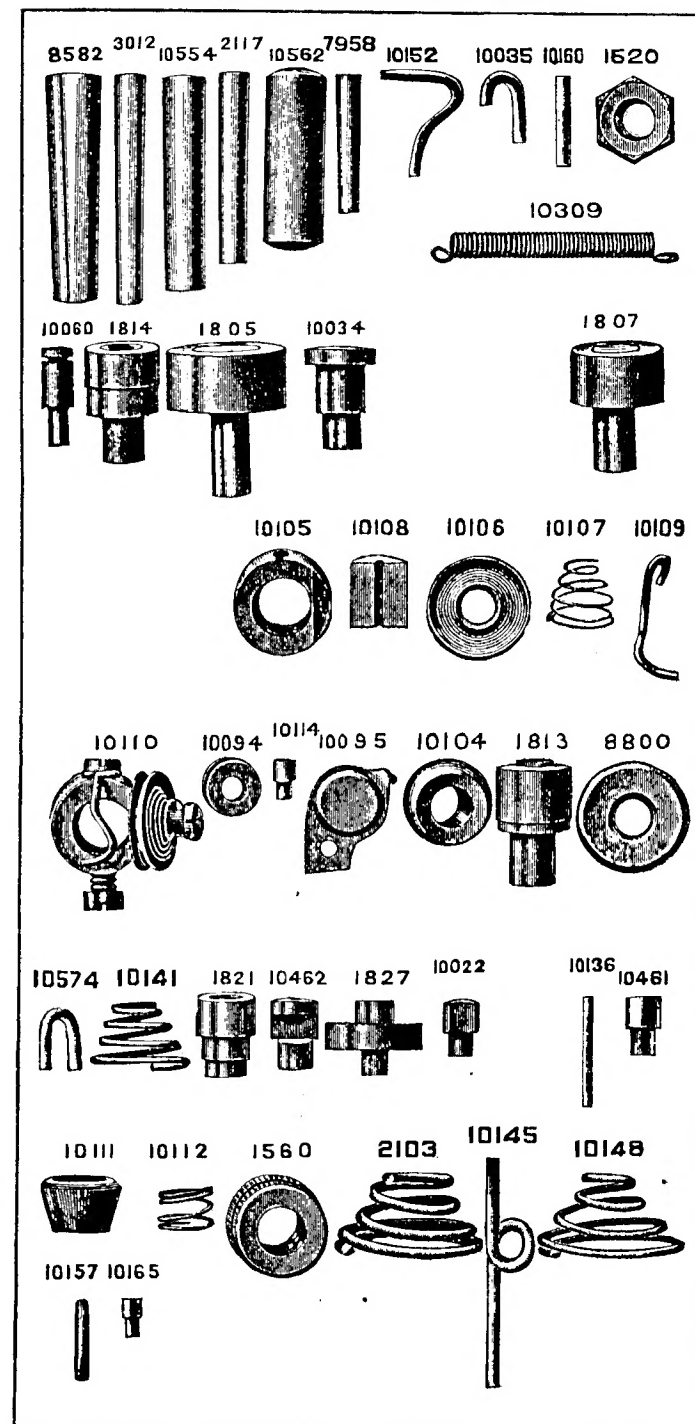




PLATE 1793—FULL SIZE

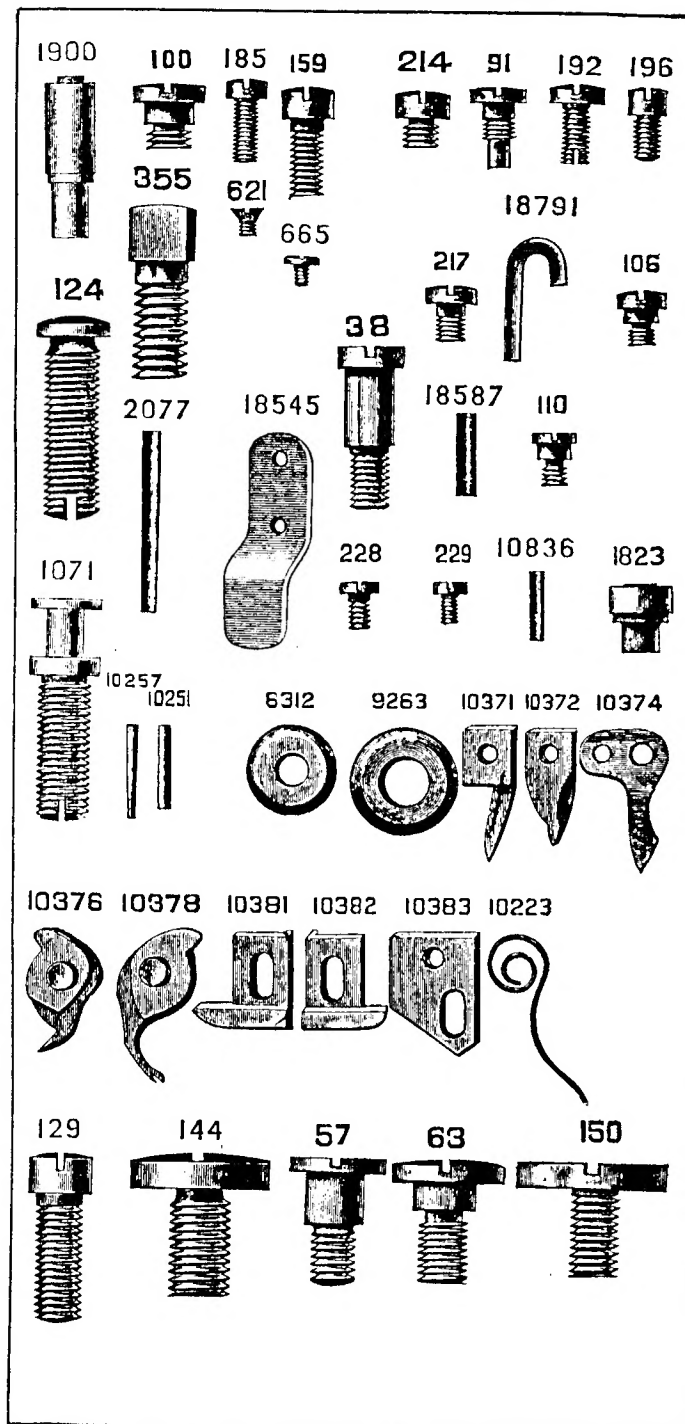


PLATE 1794—ONE-HALF SIZE

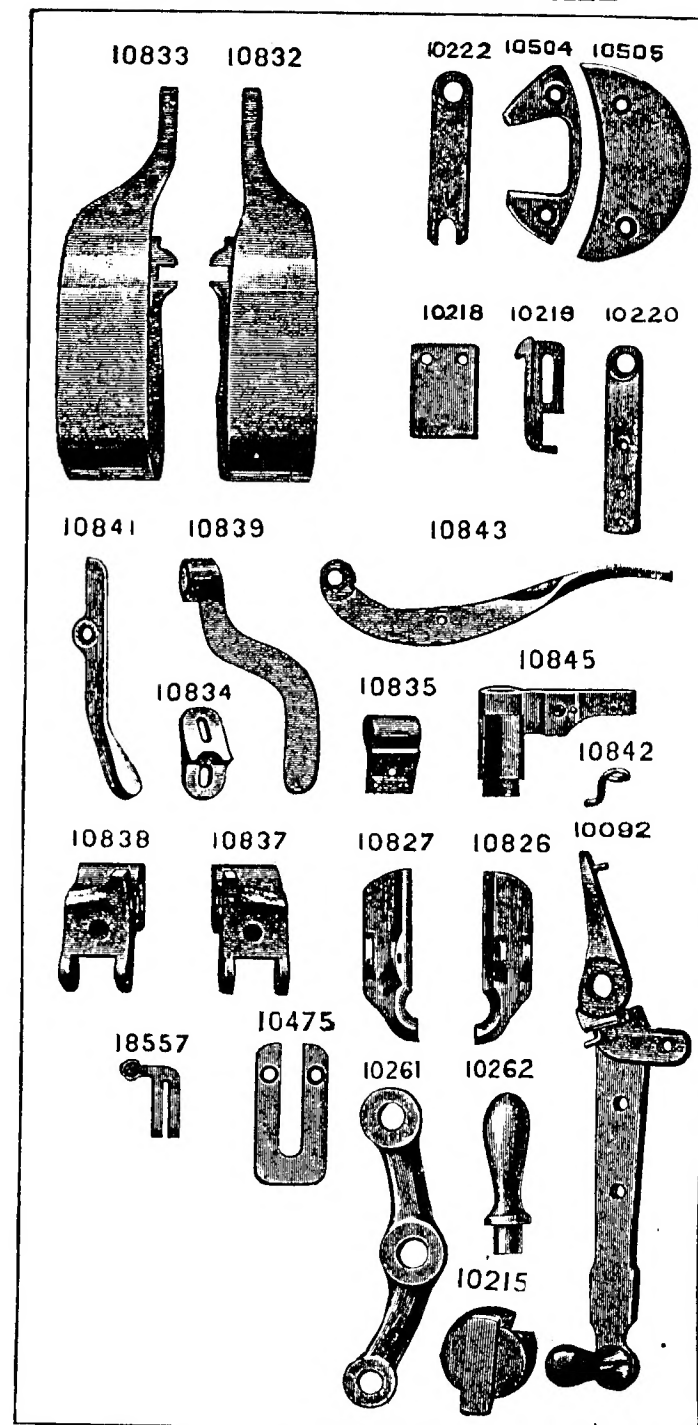


PLATE 1795—ONE-HALF SIZE

